

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Martin Miller on 05/13/2009.

The application has been amended as follows:

In Claim 1, line 3, the phrase "providing a quadrature modulated optical data signal to a transmitter," is now changed to -- providing a quadrature modulated optical data signal by a transmitter,--.

In Claim 12, lines 1-7, the phrase "A method of reducing the transmitted power of a quadrature modulated optical data signal, comprises the steps of:

providing a quadrature modulated optical data signal to a transmitter; and

during all transitional states of the quadrature modulated optical data signal in which data symbols can change in value, reducing, by the transmitter, the power to zero such that transmitted power decreases to zero at approximately a mid point of each of the transitional states." is changed to -- A method of reducing the transmitted power of a quadrature modulated optical data signal, comprises the steps of:

providing a quadrature modulated optical data signal by a transmitter;

during all transitional states of the quadrature modulated optical data signal in which data symbols can change in value, reducing, by the transmitter, the power to zero

such that transmitted power decreases to zero at approximately a mid point of each of the transitional states;

combining the quadrature modulated optical data signal with a side carrier; and
transmitting the side carrier with the quadrature modulated optical data signal.--.

Claim 13 is canceled.

Claim 51 is canceled.

In Claim 52, line 1, the phrase "The method of claim 51," is now changed to --The method of claim 54,--.

New Claim 54 is added: A method of reducing the transmitted power of a quadrature modulated optical data signal, comprising the steps:

providing a quadrature modulated optical data signal by a transmitter;
during all transitional states of the quadrature modulated optical data signal in which data symbols can change in value, reducing, by the transmitter, the power to zero such that transmitted power decreases to zero at approximately a mid point of each of the transitional states; and

spreading orthogonal data signals onto two side carriers of an optical signal to obtain the quadrature modulated optical data signal.

New Claim 55 is added: A method of reducing the transmitted power of a quadrature modulated optical data signal, comprising the steps:

providing a quadrature modulated optical data signal by a transmitter;
during all transitional states of the quadrature modulated optical data signal in which data symbols can change in value, reducing, by the transmitter, the power to zero

such that transmitted power decreases to zero at approximately a mid point of each of the transitional states, where data signals are in effect spread out by approximately fifty percent in the frequency domain equivalent to a multiplication by a sine wave at half the data rate, and results in each symbol returning to zero at approximately a mid-point of the transitional states.

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hanh Phan whose telephone number is (571)272-3035.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kenneth Vanderpuye, can be reached on (571)272-3078. The fax phone number for the organization where this application or proceeding is assigned is (571)273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)305-4700.

/Hanh Phan/

Primary Examiner, Art Unit 2613